

SCHEDULE - B						
Name of Work: Constructon of Shopping complex at Gopalpuri						
Sr No	Description of items	Quantity	Unit	Rate	Amount( In Figures)	Amount( In Word)
	<b>A - "CIVIL PART"</b>					
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	1982.42	M3			
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	285.47	M3			
3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil.	112.90	M3			
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	2095.31	M3			
5	Supplying and spreading chemical emulsion in sealed containers including delivery as specified and directed. Chlorpyrifos/ Lindane emulsifiable concentrate of 20% with 1% concentration	583.57	M2			
6	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	525.49	M3			
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	149.63	M3			
8	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately).  Providing M-30 grade concrete instead of M-25 (Concrete with minimum cement content of 350 kg /cum at all floor levels)	1034.12	M3			
9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :	0.00				
A	Foundations, footings, bases of columns, etc. for mass concrete	241.14	M2			
B	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	2209.92	M2			
C	Suspended floors, roofs, landings, balconies and access platform	1315.83	M2			
D	Lintels, beams, plinth beams, girders, bressumers and cantilevers	1015.62	M2			
E	Columns, Pillars, Piers, Abutments, Posts and Struts	999.06	M2			
F	Stairs, (excluding landings) except spiral-staircases	53.80	M2			
		0				
10	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	224.04	M2			
11	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level and above Thermo-Mechanically Treated bars of grade Fe-500D or more.	119489.86	KG			
12	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand :12 graded stone aggregate 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand)	228.73	M3			
		0				
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand).	71.99	M3			
14	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry 150mm to 300mm thick AAC with Grade-I blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	285.34	M3			
15	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	1105.00	M2			
16	12 mm cement plaster of mix :1:4 (1 cement: 4 fine sand)	2997.12	M2			
17	Washed stone grit plaster on exterior walls height upto 10 metre above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand ), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm nominal size), in panels with groove all around as per approved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction of Engineer-in- charge	704.94	M2			
18	Providing and fixing chicken wire mesh 150 mm wide 24 gauge with opening of 25x25mm at the junction of RCC or specified, including fixing with GI nails all complete to the satisfaction of the Engineer-in charge.	1230.64	M2			
19	Providing and laying vitrified tiles(full body tiles in floors & skirting) in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades,laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand),jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. : Size of Tile 600x600 mm	1008.11	M2			
20	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction ofEngineer-in-charge	1008.11	M2			
21	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete	4.82	M2			

22	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in- Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	24.71	M2			
23	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	173.48	M2			
24	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with white cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in- charge.	560.72	M2			
25	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Granite of any colour and shade as directed by the Engineer-in-charge.	169.00	M2			
26	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. 40 mm thick with 20 mm nominal size stone aggregate	561.00	M2			
27	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2997.12	M2			
28	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer	2997.12	M2			
29	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two or more coats	2997.12	M2			
30	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	1105.00	M2			
31	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	403.64	M2			
32	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.	403.64	M2			
33	Primer Coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	260.84	M2			
34	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	260.84	M2			
35	Providing and fixing terrakota clay jali size- 200x200x10mm, A1 quality fire resistance, colour fastness, water absorption less than 6%, fixing with cement mortar ratio 1:6 as directed by engineer in-charge.	112.32	M2			
36	Lettering with black Japan/ Synthetic enamel/ floor enamel/ enamel paint of approved brand and manufacture as directed by engineering incharge.	220.00	per letter per cm height			
37	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	515.36	M2			
38	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( including cost of holdfast lugs or dash fastener ). Second class teak wood	9.12	Cum.			
39	Providing and fixing panelling or panelling and glazing (i/c 4mm float Glass) in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick Second class teak wood.	120.72	M2			

40	Providing and fixing factory made prelaminated flush door comprises core of block board construction with frame of 2nd class teak wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters conforming to IS: 2202 (part 1) followed with machine pressed 1.00mm thick lamination on both faces of shutter in required finish and shade with suitable adhesive including providing and fixing 3 to 5 mm thick teak lipping along edges of shutter all complete as per direction of Engineer-in-charge. a) 35 mm thick including ISI marked Stainless Steel butt hinges (heavy weight) 100mm x 60mm x 2.5mm with necessary screws.	8.85	M2			
41	Providing and fixing of 30 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (wood grain finished) including ISI marked Stainless Steel butt hinges with necessary screws complete as per direction of Engineer-in-charge.	21.00	M2			
42	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading.	277.54	M2			
43	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	4163.04	KG			
44	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	752.26	KG			
45	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge.: With float glass panes of 5.5 mm thickness.(weight not less than 12.50 kg/ sqm)	125.38	M2			
46	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	3.78	M2			
47	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge.Upto 5mm depth and 5 mm width	511.94	RMT			
48	Providing and fixing stainless steel following hardware fixtures with stainless steel screws, nut & bolts etc. complete as per approved make as directed by Engineer-in-Charge.	0				
a)	Aldrops 300x16 mm Size	4.00	Each			
b)	Aldrops 250x16 mm Size	10.00	Each			
c)	Door Latch 250x16x5 mm Size	14.00	Each			
d)	Handle 150 mm	4.00	Each			
e)	Handle 125 mm	10.00	Each			
f)	Handle 100 mm	4.00	Each			
g)	Tower Bolts 200 mm Size	4.00	Each			
h)	Tower Bolts 100 mm Size	10.00	Each			
i)	Floor door stopper with rubber cushion 150mm size	14.00	Each			
49	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern.	405.00	M2			
50	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	517.15	M3			
51	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	36.71	M2			
52	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete with Gear & handles of required size, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.	141.12	M2			

53	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	1344.00	KG			
54	Steel work welded in built up sections/ framed work, including cutting,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1133.40	KG			
55	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	1188.00	M2			
56	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	59.99	M3			
57	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board. 510x1040 mm bowl depth 200 mm	2.00	Each			
58	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	14.00	Each			
59	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	4.00	Each			
60	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	4.00	Each			
61	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with full pedestal height with a single 15 mm C.P. brass pillar tap.	8.00	Each			
62	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.32 mm dia (Flexible pipe)	8.00	Each			
63	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	8.00	Each			
64	Providing and fixing PVC soil waste pipe as per IS 4985 including Y bends Elbow ,T of the require suitable size of the pipe ,the rates are including fitting, cutting , bending complete as per direction of Engineer In- Charge.	0.00				
a	75 mm Dia pipe	400.00	Meter			
b	110 mm dia.(outer Dia)	400.00	Meter			
65	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.	0.00				
a	75 mm Dia pipe	400.00	Meter			
b	110 mm dia.(outer Dia)	400.00	Meter			
66	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design	0.00				
a	150 mm dia S.W pipe	400.00	Meter			
b	250 mm dia S.W pipe	400.00	Meter			
67	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :	0.00				
a	150 mm diameter S.W. pipe	400.00	Meter			
b	250 mm diameter S.W. pipe	400.00	Meter			
68	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia. R.C.C. pipe	200.00	Meter			
69	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand (Zone III) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets : with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.00	Each			
70	Extra for depth beyond 45 cm of brick masonry chamber : For 500x700 mm size With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.50	Meter			

71	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	Each			
72	Extra for depth for manholes : Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.80	Meter			
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, l/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.					
a	15 mm nominal outer dia Pipes	400.00	Meter			
b	20 mm nominal outer dia Pipes	200.00	Meter			
c	25 mm nominal outer dia Pipes	200.00	Meter			
74	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore.	26.00	Each			
75	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore.	22.00	Each			
76	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore.	8.00	Each			
77	Providing and fixing PVC manhole cover Heavy duty with frame 600 x 600 mm size clear opening including cost of all labour & material as directed.	4.00	Each			
78	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	8.00	Each			
79	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	8.00	Each			
80	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. Circular tank	4000.00	Liter			
81	Providing and fixing PTMT grating of approved quality and colour , Rectangular type with openable circular lid : 150 mm nominal size square 100 mm diameter of the inner hinged round grating	22.00	Each			
82	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	8.00	Each			
83	Providing and fixing White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings , standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required.	12.00	Each			
84	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roving incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick flat	405.00	M2			
85	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	10125.00	KG			
86	Good quality garden soil supply, filling and Primery levelling with jcb / Loader etc for the lawn / Flowerbed development approved by Engineer In Charge.	10.05	M3			
87	Providing and planting different variety of plants of approved quality and sizes as mentioned including making pits of required size at site, refilled with B.C. Soil mixture manuring and pesticide etc. complete (to be paid separately) including watering and 180 days maintenance from the date of final bill as per direction of Engineer-in-Charge complete in all respect (B.C. Mixture paid separately). Decorative Palm & Speciman Plants Varities :- Foxtail Palm, Witchia Palm, Phonix Palm, Nolina Palm, Ficus, Cycas Palm, Bismarkia Palm, Latina Rubra, Triangularis Palm and other etc Including Pit Digging up to 45x45x40cm to ,Soil filling, FYM, Mixing properly Termite treatment, Plants Supply & Planting Providing Bamboo Support Weeding, Fertilizer / Pesticide application, Supervision and Maintaining up to 6 months with mortality aproved by Engineer In Charge.	100.00	NOS			
88	Supplying of carpet Lawn Including Soil Filling, Soil leveling , spreading, Mixing properly Termite treatment, Semi Carpet grass supply & planting, weeding, watering, Fertilizer / Pesticide application, Supervision, and Maintaining up to 6 months with mortality replacement aproved by the Engineer In Charge	10.05	M2			
89	Providing and fixing of CC benches of standard size for seating of three persons with backrest and arms, in latest design, colour, smooth with maintenance free as directed by Engineer in charge.	10.00	Each			
90	Dismantling the existing shopping complex including removing / separating out the salvage materials like doors & windows masonary, reinforcement etc as & where position etc complete including removing the foundation and filling the unwanted material outside Gopalpuri upto 4 km lead, prepare the surface for reconstruction of the new shopping complex building as directed by the Engineer-in-charge .	1213.84	M2			
		Total of Part "A"				

#### B - "ELECTRICAL PART"

1	Supply, Installation, Testing and commissioning of Distribution panel & Feeder Panel for distribution of underground power supply as per technical specification No.1				
(a)	Main Distribution panel				
(i)	Supply	1	No.		
(ii)	Installation, Testing and commissioning	1	No.		
(b)	Feeder panel				
(i)	Supply	2	No.		
(ii)	Installation, Testing and commissioning	2	No.		
2	Supply at site 4 Core, LT armoured aluminium conductor XLPE cable of 1.1 KV grade of following type and size as per Technical Specification No. 2				
(b)	4 Core X 70 Sq.mm	500	Mtr.		
(e)	4 Core X 16 Sq.mm	300	Mtr.		
3	Laying of LT armoured aluminium conductor XLPE cable of 1.1kV grade of size 4 core, 70 sq.mm. though following type as per Technical Specification No. 3				
(a)	Hard/Soft Soil	500	Mtr.		
(b)	Road/RCC Crossing	100	Mtr.		
(c)	On wall through saddles & clamps	100	Mtr.		
(d)	In GI Class-B Pipe	100	Mtr.		
4	Providing & fixing following concealed wiring for single phase sub-circuit from the main switch /meter.DBs / MCBs to the switch board as per Technical Specification No. 4.				
(a)	with 2 x 2.5 sq.mm. copper conductor (single phase and neutral)	1500	Mtr.		
(b)	with 2 x 4 sq.mm. copper conductor (single phase and neutral)	500	Mtr.		
5	Providing and Fixing concealed wiring for modular light/tube/bell point with PVC insulated single core standard 1.5 Sq.mm. copper conductor wire as per Technical Specification No. 5.	200	No.		
6	Providing and Fixing concealed wiring for modular Fan point with PVC insulated single core standard 1.5 Sq.mm. copper conductor wire & twin module step cut electronic fan regulator as case may be as per Technical Specification No. 6.	40	No.		
7	Providing and fixing concealed wiring for 5/6A X250 Volt. As per Technical Specification No. 7.				
(a)	Full plug point.	20	No.		
(b)	Half Plug Point.	20	No.		
8	Providing and fixing concealed wiring, for 15/16A X250 Volt Modular Power point as per Technical Specification No. 8.	35	No.		
9	Providing and fixing concealed wiring, for AC Point 20A X 230 V with individual Switch & Socket as per Technical Specification No. 9.	15	No.		
10	Supply & installation of following type distribution board along with complete with DP, SP MCB & ELCB as per Technical specification No. 10.				
(a)	Supply	12	No.		
(b)	Installation & Commissioning	12	No.		
11	Supply & Fixing of 10Watt LED bulk Head light fixture with all accessories as per Technical Specification No. 11.				
(a)	Supply	110	No.		
(b)	Fixing	110	No.		
12	Supply of Hot press moulded SMC meterbox along with three phase meter as per Technical Specification No. 12.				
(a)	Supply	15	No.		
(b)	Fixing	15	No.		
13	Preparation earthing station, chemical treated back filled compound earthing system with Pipe-In-Pipe 50 mm Dia GI type 2 Mtr Depth, Maintenance free. as per Technical Specification No. 13.	15	No.		
14	Supply, Laying, connecting of GI Strips Connecting earth station to the equipment as per Technical Specification No. 14.				
(a)	25x3mm thick				
(i)	Supply	300	Mtr.		
(ii)	Laying, connecting	300	Mtr.		
15	Providing & connecting following type earth wire for earth station to main DB /Meter /SB as per requirement as per Technical Specification No. 15				

(a)	8 SWG GI earthing wire.	200	Mtr.			
16	Supply of 35 watt LED post top lantern light complete with 4/5 meter pole and accessories as per technical specification no. 16					
	(a) Supply	10	Nos			
	(b) Fixing	10	Nos.			
17	Supply of Recessed downlight for false ceiling with all material and accessories as per Tech. Spec. No:-17 a)19 Watt LED Recessed Down light for false ceiling, as per Approved Make list.	20	Nos.			
18	Fixing of supplied Recessed downlight for false ceiling with all material and accessories. as per Tech. Spec. No:-18 a)19 Watt LED Recessed Downlight for false ceiling	20	Nos.			
19	Supply of Ceiling mounted LED light 40 Watt 2X2ft 6500k, as per Approved Make list.as per Tech. Spec. No:-19	40	Nos.			
20	Fixing of supplied Ceiling mounted light 40 Watt 2X2ft 6500k as per Tech. Spec. No:- 20	40	Nos.			
21	Supply at site following type of decorative ceiling fan with all accessories , as per Approved Make list as per Tech. Spec. No:- 21 a) 1200 mm sweep ceiling fan with electronics regulator.	30.00	NOS			
22	Fixing of following type of decorative ceiling fan with all accessories as per Tech. Spec. No:-22 a) 1200mm sweep ceiling fan with electronics regulator.	30.00	NOS			
23	Supply Installation testing commissioning of 2HP single phase monoblock pump,footvalve along with its CPVC line of 100mm suction & 50mm discharge line upto overhead tank ,complete with labour & materials. complete with labour & materials	1	No			
24	Supply Installation testing commissioning of 15 watt LED 3 way wall washer light complete with labour & materials of Philips Gamma make or its equivalent.	20	Nos			
25	Supply Installation testing commissioning of three phase four wire static Kwh energy meter electronic type voltage 3 X 240 V,50HZ, Accuracy class 1 AC of direct tyne ,complete with labour & materials i) 10 to 40 Amps,415volts 50Hz AC	10	Nos			
26	Supply and fixing of Exhaust fan. Size 300 mm / 450 mm as directed.	4	Nos.			
		Total of Part "B"				
	C - "CREDIT PART"					
1	Taking away the salvage material to be received from the dismantaling of shopping complex. Complete as directed by Engineer-in-charge.	928.00	m2			
		Total of Part "C"				

Contractor

Executive Engineer (TD)  
Deendayal Port Authority